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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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PTO/SB/21 (08-00)

Approved for use through 10/31/02. OMB 0651-0031



# TRANSMITTAL FORM

Use for all correspondence after initial filing)

|                      |                   |
|----------------------|-------------------|
| Application Number   | 10/077,211        |
| Filing Date          | Feb. 14, 2002     |
| First Named Inventor | Richard Nathan    |
| Group Art Unit       | 2827              |
| Examiner Name        | Zarneke, David A. |
| Attorney Docket No.  | JIG006 US         |

Total Number Of Pages In This Submission

89

## ENCLOSURES (check all that apply)

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)              | <input type="checkbox"/> Assignment Papers (for an Application)   | <input type="checkbox"/> After Allowance Communication to Group                            |
| <input checked="" type="checkbox"/> Fee Attached -- Credit Card Payment Form (1 pg)  | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences        |
| <input type="checkbox"/> Amendment / Reply   | <input type="checkbox"/> Licensing-related Papers   | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition   | <input type="checkbox"/> Proprietary Information   |
| <input type="checkbox"/> Affidavits/declarations                                     | <input type="checkbox"/> Petition to Convert to a Provisional Application                                     | <input type="checkbox"/> Status Letter   |
| <input type="checkbox"/> Extension of Time Request                                   | <input type="checkbox"/> Power of Attorney, Revocation of Previous Powers; And Statement Under 37 CFR 3.73(b) | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):            |
| <input type="checkbox"/> Express Abandonment Request                                 | <input type="checkbox"/> Terminal Disclaimer  | PTO Form 1449 (1 page)   |
| <input checked="" type="checkbox"/> Information Disclosure Statement (2 pgs)         | <input type="checkbox"/> Request for Refund   | 4 copies of cited references herewith (83 pgs)   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)                      | <input type="checkbox"/> CD, Number of CD(s) _____  |  |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application (2 pages) | Remarks   |  |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53         |   |  |

## SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

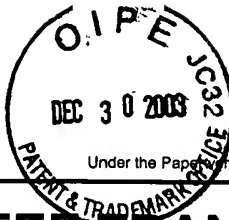
|                         |   |
|-------------------------|---|
| Firm or Individual Name | Omkar K. Suryadevara (Reg. No. 36,320)<br>Silicon Valley Patent Group LLP<br>2350 Mission College Boulevard, Suite 360<br>Santa Clara, California 95054 |
|-------------------------|---|

|           |                 |
|-----------|-----------------|
| Signature | <i>S. Omkar</i> |
|-----------|-----------------|

|      |               |
|------|---------------|
| Date | Dec. 30, 2003 |
|------|---------------|

Express Mail Label No.: ER 205 700 243 US

Burden Hours Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Arlington, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Arlington, VA 22313-1450.



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Modified PTO/SB/17 (09-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL FOR FY 2004

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$)**180.00**

## Complete if Known

|                      |                   |
|----------------------|-------------------|
| Application Number   | 10/077,211        |
| Filing Date          | Feb. 14, 2002     |
| First Named Inventor | Richard Nathan    |
| Group Art Unit       | 2827              |
| Examiner Name        | Zarneke, David A. |
| Attorney Docket No   | JIG006 US         |

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge any underpayment and credit any overpayments to:

Deposit Account Number **50-2263**

Deposit Account Name **Silicon Valley Patent Group LLP**

- ☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☐ Check ☒ Credit Card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 1001           | 770             | 2001           | 385             | Utility filing fee     |          |
| 1002           | 340             | 2002           | 170             | Design filing fee      |          |
| 1003           | 530             | 2003           | 265             | Plant filing fee       |          |
| 1004           | 770             | 2004           | 385             | Reissue filing fee     |          |
| 1005           | 160             | 2005           | 80              | Provisional filing fee |          |

SUBTOTAL (1) (\$)**0.00**

### 2. EXTRA CLAIM FEES

| Total Claims             | Extra Claims | Fee from below | Fee Paid |
|--------------------------|--------------|----------------|----------|
| - 20**                   | X            | 18             | = \$     |
| Independent Claims - 3** | X            | 86             | = \$     |
| Multiple Dependent       | 0            | 140            | = \$0    |

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 1202           | 18              | 2202           | 9               | Claims in excess of 20                                    |
| 1201           | 86              | 2201           | 43              | Independent claims in excess of 3                         |
| 1203           | 290             | 2203           | 145             | Multiple dependent claims, if not paid                    |
| 1204           | 86              | 2204           | 43              | **Reissue independent claims over original patent         |
| 1205           | 18              | 2205           | 9               | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)**.00**

\*\* or number previously paid, if greater; For reissues, see above.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description  | Fee Paid |
|----------------|-----------------|----------------|-----------------|--|----------|
| 1051           | 130             | 2051           | 65              | Surcharge - late filing fee or oath  |          |
| 1052           | 50              | 2052           | 25              | Surcharge - late provisional filing fee or cover sheet                       |          |
| 1053           | 130             | 1053           | 130             | Non-English specification  |          |
| 1812           | 2,520           | 1812           | 2,520           | For filing a request for ex parte reexamination                              |          |
| 1804           | 920*            | 1804           | 920*            | Requesting publication of SIR prior to Examiner action                       |          |
| 1805           | 1,840*          | 1805           | 1,840*          | Requesting publication of SIR after Examiner action                          |          |
| 1251           | 110             | 2251           | 55              | Extension for reply within first month                                       |          |
| 1252           | 420             | 2252           | 210             | Extension for reply within second month                                      |          |
| 1253           | 950             | 2253           | 475             | Extension for reply within third month                                       |          |
| 1254           | 1,480           | 2254           | 740             | Extension for reply within fourth month                                      |          |
| 1255           | 2,010           | 2255           | 1005            | Extension for reply within fifth month                                       |          |
| 1401           | 330             | 2401           | 165             | Notice of Appeal   |          |
| 1402           | 330             | 2402           | 165             | Filing a brief in support of an appeal                                       |          |
| 1403           | 290             | 2403           | 145             | Request for oral hearing   |          |
| 1451           | 1,510           | 1451           | 1,510           | Petition to institute a public use proceeding                                |          |
| 1452           | 110             | 2452           | 55              | Petition to revive - unavoidable   |          |
| 1453           | 1,300           | 2453           | 650             | Petition to revive - unintentional   |          |
| 1501           | 1,330           | 2501           | 665             | Utility issue fee (or reissue)   |          |
| 1502           | 480             | 2502           | 240             | Design issue fee   |          |
| 1503           | 640             | 2503           | 320             | Plant issue fee  |          |
| 1460           | 130             | 1460           | 130             | Petitions to the Commissioner  |          |
| 1807           | 50              | 1807           | 50              | Processing fee for provisional applications                                  |          |
| 1806           | 180             | 1806           | 180             | Submission of Information Disclosure Statement                               | 180.00   |
| 8021           | 40              | 8021           | 40              | Recording each patent assignment per properties (times number of properties) |          |
| 1809           | 770             | 2809           | 385             | Filing a submission after final rejection (37 CFR § 1.129(a))                |          |
| 1810           | 770             | 2810           | 385             | For each additional invention to be examined (37 CFR § 1.129(b))             |          |
| 1801           | 770             | 2801           | 375             | Request for Continued Examination (RCE)                                      |          |
| 1802           | 900             | 1802           | 900             | Request for expedited examination of a design application                    |          |

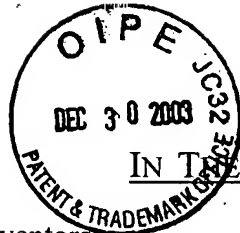
Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**180.00**

## SUBMITTED BY

|                   |                      |                                   |        |           |                       |
|-------------------|----------------------|-----------------------------------|--------|-----------|-----------------------|
| Name (Print/Type) | Omkar K. Suryadevara | Registration No. (Attorney/Agent) | 36,320 | Telephone | (408) 982-8200 ext. 3 |
| Signature         | S. Omkar             |                                   |        | Date      | December 30, 2003     |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Richard Nathan; Dale E. Meana Jr.  
Assignee: JigSaw Tek  
Title: Integrated Circuit Package And Method For Fabricating  
Serial No.: 10/077,211 Filing Date: Feb. 14, 2002  
Examiner: Zarneke, David, A. Group Art Unit: 2827  
Docket No.: JIG006 US Confirmation No: 3098

Santa Clara, California  
December 30, 2003

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97(c)**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, §1.97 and §1.98, the Applicants submit for consideration in the above-identified patent application the documents listed on the accompanying Form PTO-1449. Copies of references 11-14 are submitted herewith. References 1-10 are not attached hereto, because these references are issued patents or publications which are readily available in the U.S. Patent and Trademark Office. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted pursuant to 37 CFR §1.97(c) as it is after receipt of a first Office Action on the merits but before mailing of a final Action or Notice of Allowance. Accordingly, a fee is required pursuant to 37 CFR §1.17(p). A Fee Transmittal form (PTO/SB/17) is attached to this submission.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein. **In addition, Applicants submit for the Examiner's consideration, the prosecution histories of the following co-owned applications/patents, cited by serial number, first named inventor and filing date.** The Applicants presume that the Examiner has access to and will review the cited applications/patents and the files thereof for any office actions,

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Application No. 10/077,211

amendments or other materials that may be relevant to the patentability of the claims of the present application.

Citation of these prosecution histories (including the arguments against patentability advanced by Examiners in their respective Office Actions and the Applicants' arguments in the corresponding Amendments) is in accordance with the recent case DAYCO PRODUCTS, INC. v. TOTAL CONTAINMENT, INC., 02-1497, decided May 23, 2003 by the Court of Appeals for the Federal Circuit. The Examiner is presumed to be knowledgeable about the current case law, including the above-mentioned Dayco case. However, if the Examiner needs a copy of the Dayco case, please call the undersigned.

For any of the following U.S. patent application(s) that are currently pending, the Applicants further presume that the Examiner will consider any future office actions, amendments or other materials in the file thereof that may be relevant to the patentability of the claims herein. **If the Applicants' understanding in this regard is not correct, please notify the undersigned so that copies of any such documents can be submitted to the Examiner.**

|    | Serial No.: | First Named Inventor | Date:    |
|----|-------------|----------------------|----------|
| 1. | 10/177,841  | Richard Nathan       | 6/20/02  |
| 2. | 10/098,021  | Richard Nathan       | 03/12/02 |
| 3. | 10/098,021  | Richard Nathan       | 03/12/02 |
| 4. | 09/953,005  | Richard Nathan       | 09/13/01 |
| 5. | 10/097,363  | Richard Nathan       | 03/12/02 |
| 6. | 10/681,506  | Richard Nathan       | 10/07/03 |

The information contained in this Information Disclosure Statement is to the best of my knowledge and is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

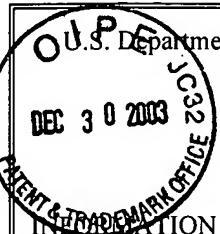
**EXPRESS MAIL LABEL NO.:**

**ER 205 700 243 US**

Respectfully submitted,



Omkar K. Suryadevara  
Attorney for Applicant(s)  
Reg. No. 36,320

|  |                       |                   |
|--|-----------------------|-------------------|
|  <p>U.S. Department of Commerce, Patent and Trademark Office</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p> | Application No.:      | 10/077,211        |
|  | Filing Date:          | February 14, 2002 |
|  | First Named Inventor: | Richard Nathan    |
|  | Group Art Unit:       | 2827              |
|  | Examiner Name:        | Zarneke, David A. |
|  | Confirmation No.:     | 3098              |
|  | Attorney Docket No.:  | JIG006 US         |

## U.S. Patent Documents

| *Examiner<br>Initials |     | Document<br>Number | Publication<br>Date | Name          | Class | Subclass | Filing Date if<br>Appropriate |
|-----------------------|-----|--------------------|---------------------|---------------|-------|----------|-------------------------------|
|                       | 1.  | 5,378,657          | 1/1995              | Lin           | 437   | 217      |                               |
|                       | 2.  | 4,735,891          | 4/1988              | Budde et al.  | 430   | 313      |                               |
|                       | 3.  | 6,222,737          | 4/2001              | Ross          | 361   | 767      |                               |
|                       | 4.  | 2002/0185734A1     | 12/2002             | Zhao et al.   | 257   | 737      |                               |
|                       | 5.  | 6,137,129          | 5/1980              | Bertin et al. | 257   | 302      |                               |
|                       | 6.  | 6,586,836 B1       | 7/2003              | Ma et al.     | 257   | 723      | 3/2000                        |
|                       | 7.  | 6,271,469 B1       | 8/2001              | Ma et al.     | 174   | 52.4     | 11/1999                       |
|                       | 8.  | 6,586,822 B1       | 7/2003              | Vu et al.     | 257   | 678      | 9/2000                        |
|                       | 9.  | 2003/0045083       | 3/2003              | Towle et al.  | 438   | 612      | 9/2000                        |
|                       | 10. | 6,590,291 B2       | 7/2003              | Akagawa       | 257   | 774      | 1/2001                        |
|                       |     |                    |                     |               |       |          |                               |
|                       |     |                    |                     |               |       |          |                               |
|                       |     |                    |                     |               |       |          |                               |

## Foreign Patent Documents

|  |     |              |               |         |       |          | Translation |    |
|--|-----|--------------|---------------|---------|-------|----------|-------------|----|
|  |     | Document     | Priority Date | Country | Class | Subclass | Yes         | No |
|  | 11. | 02/049103 A2 | 12/2000       | WO      | H01L  | 23/538   |             |    |
|  | 12. | 02/049103 A3 | 12/2000       | WO      | H01L  | 23/538   |             |    |
|  | 13. | 02/033751 A2 | 10/2000       | WO      | H01L  | 23/538   |             |    |
|  | 14. | 02/033751 A3 | 10/2000       | WO      | H01L  | 23/538   |             |    |

## Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

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|  |  |  |
|  |  |  |

|  |                  |
|--|------------------|
| Examiner:  | Date Considered: |
| <p>* Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication with applicant.</p> |                  |